

WEST**End of Result Set**

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Print

L1: Entry 2 of 2

File: DWPI

Jan 13, 1995

DERWENT-ACC-NO: 1995-085635

DERWENT-WEEK: 199512

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TITLE: Ink compsn. for marking of skin - contains acetate and/or ketone type solvent,
dye component and adhesive contg. ethoxy ethyl methacrylic resin

PATENT-ASSIGNEE:

ASSIGNEE

CODE

SAKURA KUREPASU KK

SAKC

PRIORITY-DATA: 1993JP-0156597 (June 28, 1993)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|------------------|----------|-------|------------|
| JP 07011183 A | January 13, 1995 | | 008 | C09D011/00 |

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|--------------|---------------|----------------|------------|
| JP 07011183A | June 28, 1993 | 1993JP-0156597 | |

INT-CL (IPC): C09 D 11/16

ABSTRACTED-PUB-NO: JP 07011183A

BASIC-ABSTRACT:

An ink compsn. for marking skin contains (a) solvent component contg. methyl acetate, ethyl acetate, butyl acetate, amyl acetate, methyl ethyl ketone and/or methyl isobutyl ketone, (b) a dye component of other colour than red and (c) an adhesive component contg. beta-ethoxyethyl methacrylic resin as the main component. Component (b) dissolves in solvent (a).

Component (b) contains 2-3C aliphatic alcohol. The ink compsn. also contains at least one kind of 2-3C aliphatic alcohol.

ADVANTAGE - The ink compsn. has good adhesion to skin and only slightly affects sweating.

In an example, 230 pts.wt. C.I.Sol.Black 3, 100 pts.wt. beta-ethoxyethyl methacrylic resin and 3200 pts.wt. ethyl acetate were homogeneously mixed to give an ink compsn.. The ink had good adhesion to skin. When a polypropylene film was marked with the ink compsn., the marks bled only slightly. When the polypropylene film applied with the ink compsn. was irradiated with X-rays, heat was not generated.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: INK COMPOSITION MARK SKIN CONTAIN ACETATE KETONE TYPE SOLVENT DYE
COMPONENT ADHESIVE CONTAIN ETHOXY ETHYL METHACRYLIC RESIN

DERWENT-CLASS: A14 A97 G02

CPI-CODES: A04-F06E; A08-S02; A12-D05B; A12-V04C; A12-W07D; G02-A04A;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 017 ; G0419 G0384 G0339 G0260 G0022 D01 D12 D10 D51 D53 D58 D63
F41 D11 D88 F34 ; H0000 ; S9999 S1627 S1605 ; P0088 Polymer Index [1.2] 017 ; ND01 ;
ND04 ; Q9999 Q8242 Q8173 ; Q9999 Q8797 Q8775 ; Q9999 Q9176 Q9165 ; B9999 B5301 B5298
B5276 ; N9999 N6439 ; N9999 N5890 N5889 Polymer Index [1.3] 017 ; D01 D11 D10 D50 D63
D83 D86 D87 ; R01135 D01 D11 D10 D50 D63 D84 F41 ; R00437 G1525 D01 D11 D10 D50 D84
F23 ; R00836 D01 D11 D10 D50 D86 F23 ; A999 A475 ; A999 A771 Polymer Index [1.4] 017 ;
D01 F23 ; A999 A475 ; A999 A771

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1995-039051

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L1: Entry 1 of 1

File: DWPI

Apr 23, 1991

DERWENT-ACC-NO: 1991-161141

DERWENT-WEEK: 199122

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TITLE: Oily marker ink compsn. - contg. colourant, resin, organic solvent and
carboxylated polyoxyethylene alkyl ether

PATENT-ASSIGNEE:

ASSIGNEE

CODE

MITSUBISHI PENCIL CO

MISP

PRIORITY-DATA: 1989JP-0232986 (September 11, 1989)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

JP 03097776 A

April 23, 1991

000

APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

JP 03097776A

September 11, 1989

1989JP-0232986

INT-CL (IPC): C09D 11/16

ABSTRACTED-PUB-NO: JP 03097776A

BASIC-ABSTRACT:

The oil marker ink contains colourant agent, resin, organic solvent and carboxylated
polyoxyethylene alkyl ether of formula

$$R-O-(CH_2CH_2O)_nCH_2COOM \text{ (I)}$$

n is 1-20, R is 2-20C an alkyl, M is H, metal atom such as Na, K or ammonium or
alkanolamine.

USE/ADVANTAGE - The ink has a fixing ability surface and maintains original writing
trace even after scrubbing.

In an example, the ink was made by mixing 10 wt. % bary first blue 2606, 5 wt. % of
marukyd 34, 84 wt. % of isopropyl alcohol and 1 wt. % of $C_8H_{17}-O-(CH_2CH_2O)_2-CH_2COONa$.
The ink had a good fixing ability as compared with the ink which did not contain
 $C_8H_{17}-O-(CH_2CH_2O)_2-CH_2COONa$.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: OIL MARK INK COMPOSITION CONTAIN COLOUR RESIN ORGANIC SOLVENT
CARBOXYLATED POLYOXYETHYLENE ALKYL ETHER

DERWENT-CLASS: A97 G02

CPI-CODES: A12-D05B; G02-A04A;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0271U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0013 3002 0044 0047 0231 1279 1588 1592 2001 2002 2014 2022 2318 2507
3285

Multipunch Codes: 014 028 039 04- 06- 09- 10& 147 198 230 231 24- 240 250 31- 316 332
334 336 398 50& 54& 641 688 720 724

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-069838

WEST

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L2: Entry 2 of 2

File: DWPI

Nov 11, 1985

DERWENT-ACC-NO: 1985-321684

DERWENT-WEEK: 198551

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TITLE: Ink compsn. for ink jet printing - comprises water, hydrophilic organic solvent and dye

PATENT-ASSIGNEE:

ASSIGNEE

CODE

SUMITOMO CHEM IND KK

SUMO

PRIORITY-DATA: 1984JP-0082305 (April 24, 1984)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|----------------|-------------------|----------|-------|------------|
| JP 60226575 A | November 11, 1985 | | 007 | |
| JP 94006684 B2 | January 26, 1994 | | 000 | C09D011/00 |

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|---------------|----------------|----------------|------------|
| JP 94006684B2 | April 24, 1984 | 1984JP-0082305 | |
| JP 94006684B2 | | JP 60226575 | Based on |

INT-CL (IPC): C09D 11/00

ABSTRACTED-PUB-NO: JP 60226575A

BASIC-ABSTRACT:

Ink compsn. for ink jet printing comprises 5-90wt.% water, 10-70wt.% hydrophilic organic solvent and 0.1-20wt.% dye contg. reactive gp. (I) or (II) (X is releasable gp. coupled to the triazine ring via = N-, -S- or -O-, A is substit. non-reactive with cellulose or substit. reactive with cellulose in the presence of acid binder and Y is releasable gp. coupled to the ethylene gp. via = N- or -S- or halogen atom).

The hydrophilic organic solvent is pref. 1-10C alkyl alcohol, ether (e.g. ethyl ether, butyl ether, ethylene glycol diethyl ether, ethylene glycol monoethyl ether), ketone (e.g. acetone, methylethyl ketone, methylpropyl ketone, methylamyl ketone or cyclohexanone), ester (e.g. ethyl formate, methyl acetate, ethyl acetate, propyl acetate, butyl acetate, phenyl acetate, ethylene glycol monoethyl acetate or ethyl lactate), polyol (e.g. ethylene glycol, diethylene glycol, propylene glycol or glycerin), amide (e.g. dimethylformamide or dimethylacetamide), polyalkylene glycol (e.g. polyethylene glycol or polypropylene glycol), amine (e.g. diethanol amine or triethanol amine), N-contg. heterocyclic cpd. (e.g. pyrrolidone, N-methyl-2-pyrrolidone or 1,3-dimethyl-2-imidazolidinone) or intermolecular ester (e.g. butyrolactone, valerolactone, caprolactone, heptalactone, octalactone or nonalactone).

The ink compsn. is opt. blended with surface tension controller, viscosity controller

and/or UV ray absorber. In order to enhance the distinctness and fastness to light and water, the heated ink compsn. is injected or printed image may be heated.

ADVANTAGE - The ink compsn. has high stability against continuous injection and long storage stability and provides image having high depth, distinctness and fastness to light and water.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: INK COMPOSITION INK JET PRINT COMPRISE WATER HYDROPHILIC ORGANIC SOLVENT DYE

DERWENT-CLASS: A97 E24 G02

CPI-CODES: A12-W07E; E25-E; G02-A04B;

CHEMICAL-CODES:

Chemical Indexing M4 *01*

Fragmentation Code

A429 A960 C316 C710 D020 D021 D022 D023 D024 D025
D029 E350 E570 F011 F012 F013 F014 F015 F016 F018
F019 F431 F432 F499 F511 F512 F580 F599 F653 G010
G011 G012 G013 G015 G016 G017 G018 G019 G020 G021
G022 G023 G029 G100 G111 G112 G113 G221 G299 G331
H100 H102 H103 H121 H122 H123 H141 H142 H211 H402
H403 H405 H441 H442 H482 H484 H521 H541 H542 H581
H602 H608 H641 H642 J011 J012 J013 J111 J112 J131
J133 J311 J341 J521 J522 J581 K353 K399 K421 K431
K442 K499 K534 K599 K630 L142 L432 L440 L721 L722
L723 L724 L930 L941 L951 M122 M123 M124 M125 M129
M141 M143 M145 M149 M210 M211 M212 M240 M262 M272
M273 M280 M281 M282 M283 M312 M320 M321 M322 M323
M332 M342 M343 M349 M381 M383 M391 M392 M393 M411
M413 M414 M510 M511 M520 M521 M522 M523 M532 M533
M540 M781 M903 Q130 Q332 R023 W002 W003 W013 W031
W032 W033 W034 W111 W112 W114 W121 W122 W124 W131
W211 W212 W231 W232 W261 W321 W323 W326 W327 W334
W336

UNLINKED-RING-INDEX-NUMBERS: 00212; 06139 ; 07541

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0013 0231 1279 1581 1588 1602 2812

Multipunch Codes: 014 028 04- 147 198 200 336 656 659 688 720

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1985-139294